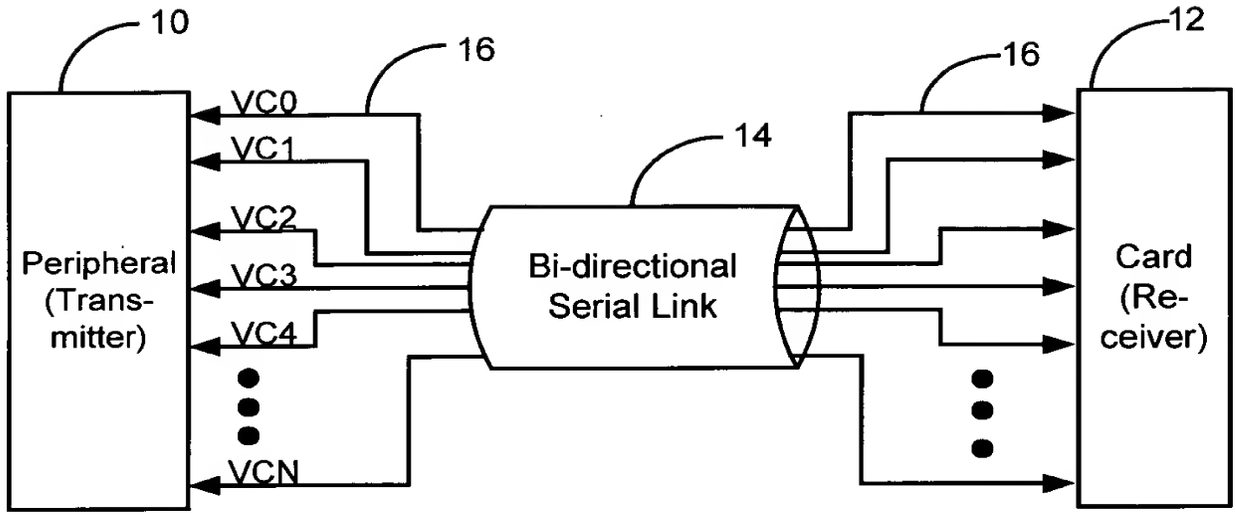

FIG. 1

CONTROL CHARACTERS

26

P 1 0 0	FLOW CONTROL CHARACTER (FCC)
P 1 0 1	END OF HEADER (EOH)
P 1 1 0	END OF PACKET (EOP)
P 1 1 1	ESCAPE (ESC)

DATA PACKET FORMAT

20

3 bits	0 to 65,536 bytes	3 bits	0 to 65,536 bytes	1 byte
EOP	Data	EOH	Header	VCN

24

CREDIT PACKET FORMAT

22

3 bits	3 bits	8 bits
ESC	EOH	VCN

24

FIG. 2

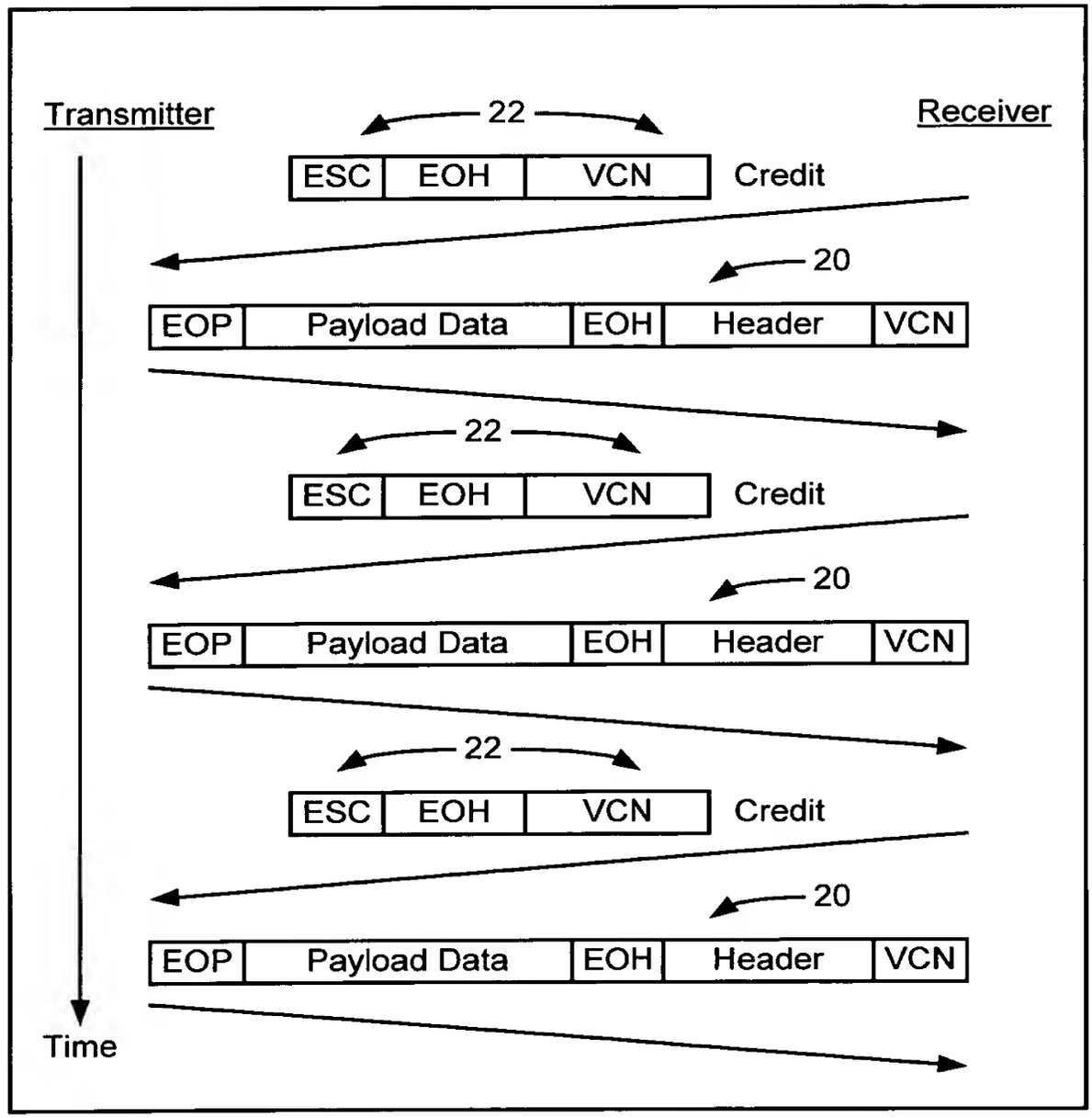
Transmitter
Receiver
22
ESC
EOH
VCN
Credit
20
EOP
Payload Data
EOH
Header
VCN
22
ESC
EOH
VCN
Credit
20
EOP
Payload Data
EOH
Header
VCN
22
ESC
EOH
VCN
Credit
20
EOP
Payload Data
EOH
Header
VCN
Time

FIG. 3

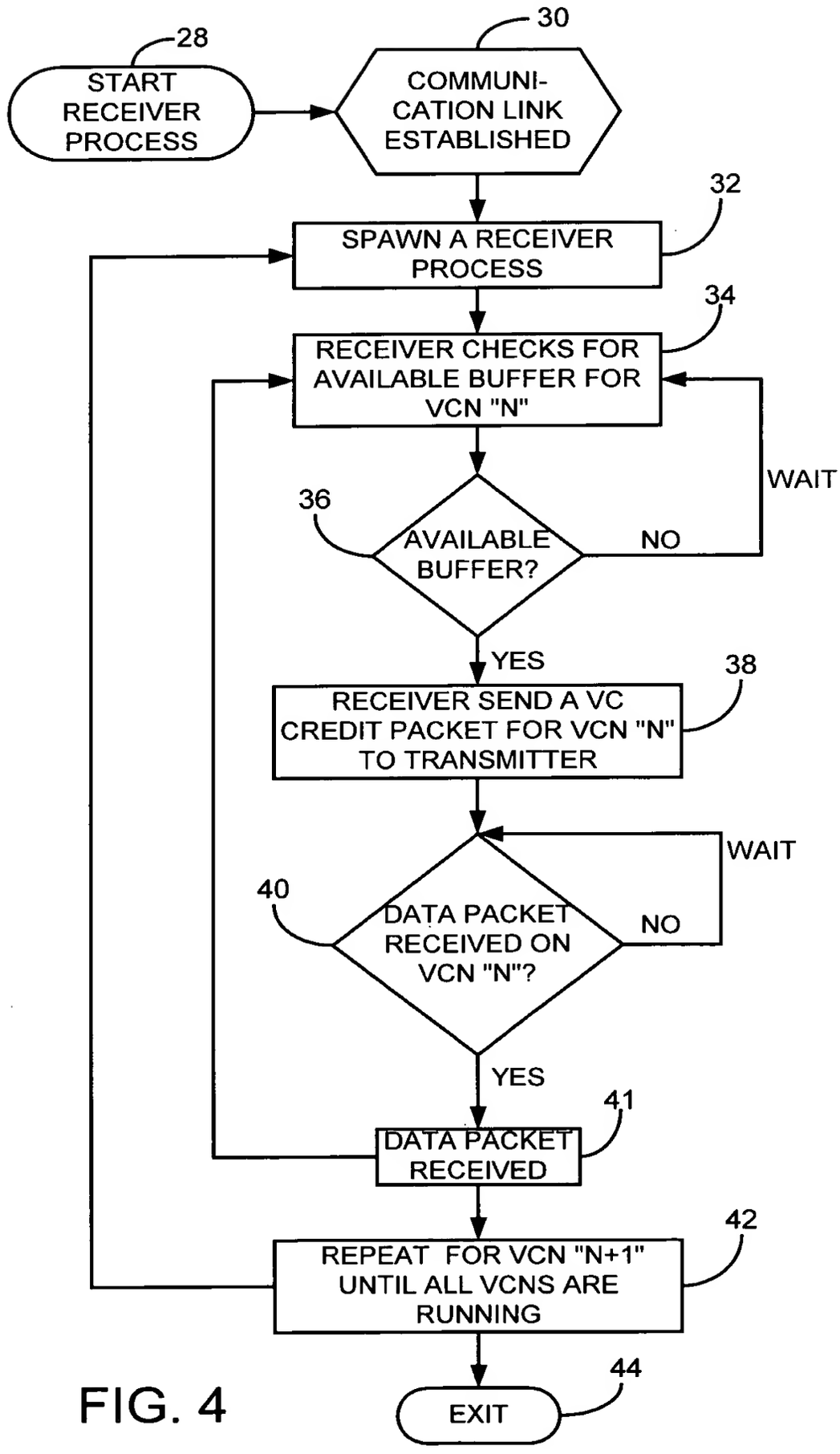
28
START RECEIVER PROCESS
30
COMMUNI-CATION LINK ESTABLISHED
32
SPAWN A RECEIVER PROCESS
34
RECEIVER CHECKS FOR AVAILABLE BUFFER FOR VCN "N"
36
AVAILABLE BUFFER?
NO
WAIT
YES
38
RECEIVER SEND A VC CREDIT PACKET FOR VCN "N" TO TRANSMITTER
40
DATA PACKET RECEIVED ON VCN "N"?
NO
WAIT
YES
41
DATA PACKET RECEIVED
42
REPEAT FOR VCN "N+1" UNTIL ALL VCNS ARE RUNNING
44
EXIT

FIG. 4

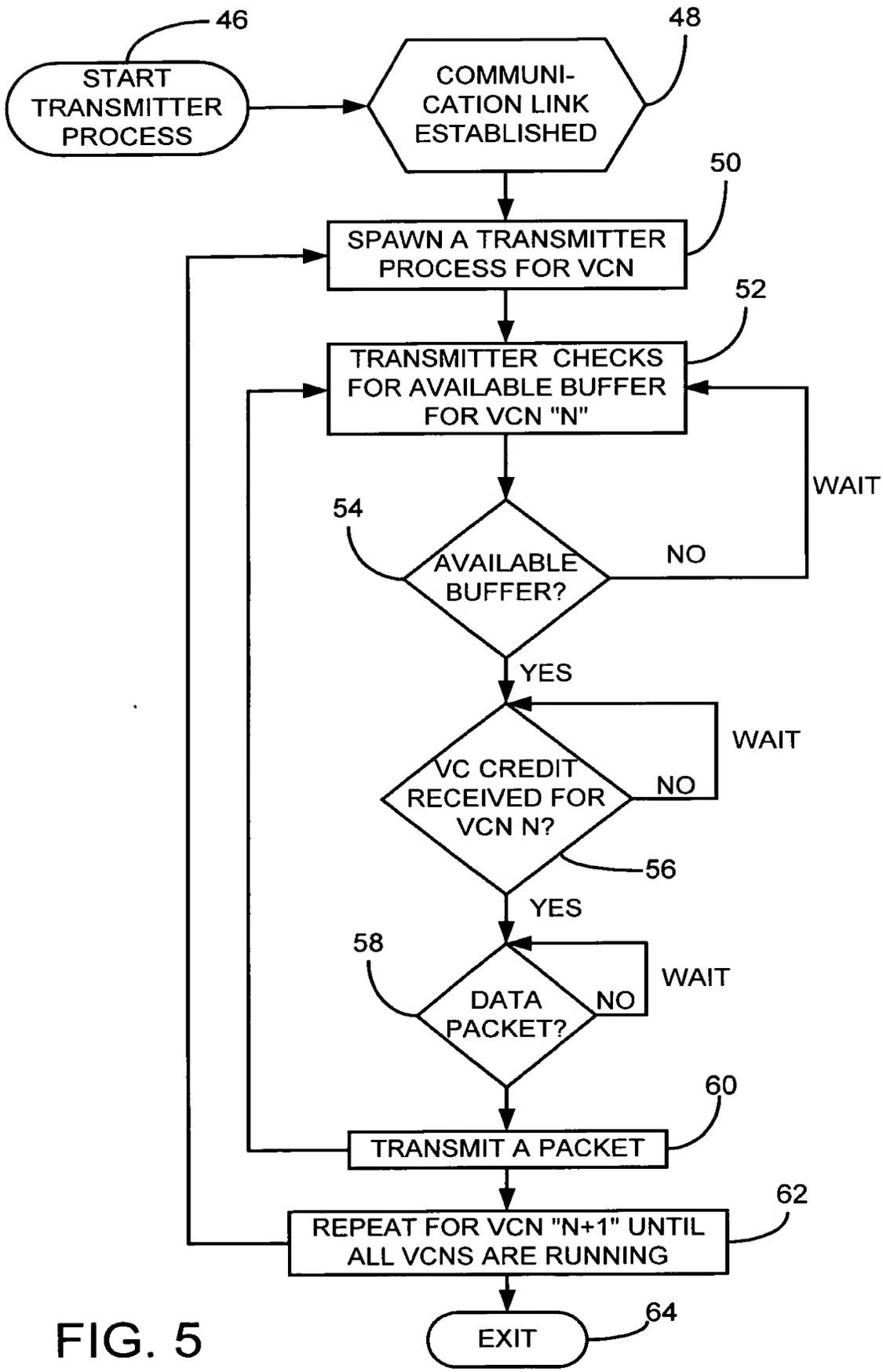
46
START TRANSMITTER PROCESS
48
COMMUNI-CATION LINK ESTABLISHED
50
SPAWN A TRANSMITTER PROCESS FOR VCN
52
TRANSMITTER CHECKS FOR AVAILABLE BUFFER FOR VCN "N"
54
AVAILABLE BUFFER?
NO
WAIT
YES
VC CREDIT RECEIVED FOR VCN N?
NO
WAIT
56
YES
58
DATA PACKET?
NO
WAIT
60
TRANSMIT A PACKET
62
REPEAT FOR VCN "N+1" UNTIL ALL VCNS ARE RUNNING
64
EXIT

FIG. 5